

ABSTRACT OF THE DISCLOSURE

A Resource reSerVation Protocol (RSVP) transmitter proxy reserves network re-
sources on behalf of a multimedia server that lacks RSVP facilities. The RSVP trans-
mitter proxy is preferably disposed in an intermediate network device that is proximate to
5 (e.g., one hop away from) the respective server, and includes a classification engine con-
figured to identify network traffic passing through the network device, and a media ses-
sion manager for maintaining state and other information for streams and/or sessions be-
ing provided by the server. The classification engine may snoop messages exchanged
between the server and a client to identify the traffic flow characteristics and bandwidth
10 of a stream. The RSVP transmitter uses the snooped information to generate and send
RSVP Path messages on behalf of the server and to terminate RSVP Reservation mes-
sages sent to the server, thereby causing network resources to be reserved for the stream.